

GENERAL NOTES AND SPECIFICATIONS

1. ALL WORK SHALL CONFORM TO ALL LOCAL, STATE, AND NATIONAL CODES ALONG WITH ALL VA STANDARDS. EQUIPMENT SHALL BE INSTALLED IN ACCORDANCE WITH MANUFACTURER'S WRITTEN RECOMMENDATIONS.
2. THE MECHANICAL CONTRACTOR SHALL OBTAIN AND PAY FOR ALL PERMITS, FEES, AND INSPECTIONS REQUIRED FOR HIS WORK.
3. ALL MATERIALS, EQUIPMENT AND PRODUCTS INCORPORATED IN THE WORK UNDER THE CONTRACT SHALL BE NEW, OF A SUITABLE GRADE FOR THE PURPOSES INTENDED, AND TO THE EXTENT POSSIBLE, STANDARD PRODUCTS OF THE VARIOUS MANUFACTURERS EXCEPT WHERE SPECIAL CONSTRUCTION OR PERFORMANCE FEATURES ARE CALLED FOR.
4. ANY EQUIPMENT OR MATERIAL DEVIATIONS FROM THAT SPECIFIED OR DETAILED ON THIS DRAWING SHALL BE SUBJECT TO THE APPROVAL OF THE ARCHITECT/ENGINEER. ALL PROPOSED EQUIPMENT DEVIATIONS SUBMITTED SHALL BE SIMILAR BOTH IN QUALITY AND CAPACITY TO THAT EQUIPMENT SPECIFIED.
5. ALL MECHANICAL EQUIPMENT SHALL BE LISTED AND LABELED BY UNDERWRITERS LABORATORIES (U.L.).
6. THE MECHANICAL CONTRACTOR SHALL INSTALL EQUIPMENT AS SHOWN ON THE DRAWINGS ALLOWING FOR SUFFICIENT ACCESS AND CLEARANCE SPACE FOR EQUIPMENT MAINTENANCE, REPAIRS AND REPLACEMENT. PROVIDE PROPER CLEARANCES FOR REQUIRED PIPING AND ELECTRICAL SERVICES AND CONNECTIONS. INSTALL ALL EQUIPMENT WITH REQUIRED ACCESS AND CLEARANCES IN ACCORDANCE WITH MANUFACTURER'S WRITTEN RECOMMENDATIONS AND/OR WITH ALL APPLICABLE CODES AND STANDARDS.
7. THE MECHANICAL CONTRACTOR SHALL COORDINATE THE INSTALLATION AND ROUTING OF ALL PROPOSED DUCTWORK, PIPING AND EQUIPMENT WITHIN THE BUILDING STRUCTURE.
8. THE MECHANICAL CONTRACTOR SHALL PROVIDE AND INSTALL HIS OWN SUPPORT EQUIPMENT. LOCATIONS SHALL BE COORDINATED WITH ALL CONTRACTORS PRIOR TO INSTALLATION.
9. THE ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE FOR ALL POWER CONNECTIONS TO THE EQUIPMENT PROVIDED UNDER THIS CONTRACT.
10. THE MECHANICAL CONTRACTOR SHALL BE RESPONSIBLE FOR ALL CONTROL WIRING FOR HIS EQUIPMENT.
11. DUCTWORK AND PIPING LAYOUTS AND LOCATIONS ARE SCHEMATIC. DO NOT SCALE THESE DRAWINGS. EXACT ROUTING OF DUCTWORK AND PIPING MUST BE DETERMINED IN THE FIELD. ALL DIMENSIONS SHALL BE FIELD VERIFIED BY THE CONTRACTOR BY ACTUAL MEASUREMENT AND OBSERVATION BEFORE ORDERING ANY DUCTWORK, PIPING OR EQUIPMENT. ANY DISCREPANCIES BETWEEN THE REQUIREMENTS OF THE CONTRACT DOCUMENTS AND THE EXISTING CONDITIONS OR DIMENSIONS SHALL BE REPORTED TO THE A/E AND V/MAC COTR BEFORE THE PERFORMANCE OF ANY WORK. FAILURE TO VERIFY AND REPORT SHALL CONSTITUTE THE CONTRACTOR'S ACCEPTANCE OF THE EXISTING CONDITIONS AS FIT FOR THE PROPER EXECUTION OF HIS WORK. SEE ARCHITECTURAL DRAWINGS FOR FINAL LOCATION OF CEILING INSTALLATION.
12. DUCTWORK AND PIPING SHALL BE KEPT AS CLOSE AND HIGH AS POSSIBLE TO THE BUILDING WALLS, CEILING AND FLOOR AND ROOF STRUCTURE IN ORDER THAT THE MAXIMUM AMOUNT OF SPACE IS AVAILABLE. ADDITIONAL OFFSETS, FITTINGS, ETC. NOT SHOWN BUT REQUIRED TO MAINTAIN MAXIMUM CLEARANCE SHALL BE PROVIDED AT NO ADDITIONAL COST.
13. THE MECHANICAL CONTRACTOR SHALL BE RESPONSIBLE FOR ALL PATCHING, PAINTING AND CLEANING ASSOCIATED WITH THIS PROJECT UNLESS NOTED OTHERWISE.
14. PROVIDE A COMPLETE 1-YEAR WARRANTY ON ALL LABOR AND MATERIALS.
15. CONTRACTOR SHALL FURNISH A BOUND SET OF OPERATING AND MAINTENANCE INSTRUCTIONS FOR ALL EQUIPMENT TO THE OWNER UPON COMPLETION OF PROJECT.
16. INSTALL ESCUTCHEONS IN ALL PLACES WHERE PIPING PENETRATES A WALL IN AN EXPOSED LOCATION.
17. THE MECHANICAL CONTRACTOR SHALL MAKE A COMPLETE REVIEW OF THE MECHANICAL PLANS, INCLUDING THE SCHEDULES AND DETAILS PRIOR TO INSTALLATION OF ANY MECHANICAL SYSTEMS AND SHALL RESOLVE ANY CONFLICTS WITH THE ENGINEER.
18. CONTRACTOR SHALL TAKE POSSESSION OF AND DISPOSE OF ALL EXISTING MATERIALS AND EQUIPMENT BEING DEMOLISHED AND/OR REMOVED. ALL ITEMS SHALL BE DISPOSED OF IN FULL COMPLIANCE WITH ALL APPLICABLE LAWS, RULES, AND REGULATIONS THAT APPLY. CONTRACTOR IS RESPONSIBLE FOR ALL COSTS ASSOCIATED WITH THE DISPOSAL.
19. INSTALL SHUT-OFF DUTY VALVES AT EACH BRANCH CONNECTION TO SUPPLY MAINS, AND AT SUPPLY CONNECTION TO EACH PIECE OF EQUIPMENT. INSTALL CHECK VALVES AT EACH PUMP DISCHARGE AND ELSEWHERE AS REQUIRED TO CONTROL FLOW DIRECTION.
20. DRAWING PLANS, SCHEMATICS, AND DIAGRAMS INDICATE GENERAL LOCATION AND ARRANGEMENT OF PIPING SYSTEMS. INSTALL PIPING INDICATED TO BE EXPOSED AND PIPING IN EQUIPMENT ROOMS AND SERVICE AREAS AT RIGHT ANGLES OR PARALLEL TO BUILDING WALLS. DIAGONAL RUNS ARE PROHIBITED UNLESS SPECIFICALLY INDICATED OTHERWISE. INSTALL PIPING FREE OF SAGS AND BENDS. INSTALL PIPING TO ALLOW APPLICATION OF INSULATION.
21. REAM ENDS OF PIPES AND TUBES AND REMOVE BURRS. BEVEL PLAIN ENDS OF STEEL PIPE. REMOVE SCALE, SLAG, DIRT, AND DEBRIS FROM INSIDE AND OUTSIDE OF PIPE AND FITTINGS BEFORE ASSEMBLY.
22. THREADED JOINTS. THREAD PIPE WITH TAPERED PIPE THREADS ACCORDING TO ASME B1.20.1. CUT THREADS FULL AND CLEAN USING SHARP DIES. REAM THREADED PIPE ENDS TO REMOVE BURRS AND RESTORE FULL ID. JOIN PIPE FITTINGS AND VALVES AS FOLLOWS: APPLY APPROPRIATE TAPE OR THREAD COMPOUND TO EXTERNAL PIPE THREADS UNLESS DRY SEAL THREADING IS SPECIFIED. DAMAGED THREADS. DO NOT USE PIPE OR PIPE FITTINGS WITH THREADS THAT ARE CORRODED OR DAMAGED. DO NOT USE PIPE SECTIONS THAT HAVE CRACKED OR OPEN WELDS.
23. INSTALL MANUAL AIR VENTS AT HIGH POINTS IN PIPING, AT HEAT-TRANSFER COILS, AND ELSEWHERE AS REQUIRED FOR SYSTEM AIR VENTING.
24. CUT INSULATION IN A MANNER TO AVOID COMPRESSING INSULATION MORE THAN 75 PERCENT OF ITS NOMINAL THICKNESS. FINISH INSTALLATION WITH SYSTEMS AT OPERATING CONDITIONS. REPAIR JOINT SEPARATIONS AND CRACKING DUE TO THERMAL MOVEMENT. REPAIR DAMAGED INSULATION FACINGS BY APPLYING SAME FACING MATERIAL OVER DAMAGED AREAS. EXTEND PATCHES AT LEAST 4 INCHES BEYOND DAMAGED AREAS. ADHERE, STAPLE, AND SEAL PATCHES SIMILAR TO BUTT JOINTS.
25. INSULATE INSTRUMENT CONNECTIONS FOR THERMOMETERS, PRESSURE GAGES, PRESSURE TEMPERATURE TAPS, TEST CONNECTIONS, FLOW METERS, SENSORS, SWITCHES, AND TRANSMITTERS ON INSULATED PIPES, VESSELS, AND EQUIPMENT. SHAPE INSULATION AT THESE CONNECTIONS BY TAPERING IT TO AND AROUND THE CONNECTION WITH INSULATING CEMENT AND FINISH WITH FINISHING CEMENT, MASTIC, AND FLASHING SEALANT.
26. THE MECHANICAL CONTRACTOR SHALL TAKE THE LEAD IN PREPARATION OF COORDINATION DRAWINGS. SUCH DRAWINGS SHALL BE COMPLETED WITH COORDINATION FROM THE GENERAL CONTRACTOR AND ALL OTHER MAJOR AND MINOR SUBCONTRACTORS. PROVIDE PLAN VIEWS, SECTIONS AND ELEVATIONS, AS REQUIRED, TO FULLY COORDINATE ALL NEW WORK WITH ITSELF AND EXISTING CONDITIONS. DRAWINGS SHALL SHOW, BUT NOT BE LIMITED TO, ALL DUCTWORK, AIR DISTRIBUTION, MECHANICAL EQUIPMENT, MECHANICAL PIPING, FIRE PROTECTION PIPING, PLUMBING PIPING, CABLE TRAYS, LIGHTING FIXTURES, CEILING GRID AND HEIGHT, BEAMS AND JOISTS (WITH ELEVATIONS MARKED), ELECTRICAL CONDUIT LARGER THAN 2 INCHES IN DIAMETER AND ANY OTHER CEILING MOUNT DEVICES OR EQUIPMENT THAT PROTRUDE INTO THE CEILING CAVITY. IF THERE ARE ANY OUTSTANDING ISSUES THAT CANNOT BE RESOLVED, CONSULT WITH ARCHITECT AND/OR ENGINEER (THROUGH THE VA COTR) FOR GUIDANCE AND MAKE CORRECTIONS IN ACCORDANCE WITH DIRECTIONS GIVEN. IT IS IMPORTANT TO NOTE THAT FABRICATION CANNOT BEGIN UNTIL COORDINATION DRAWINGS HAVE BEEN APPROVED. ANY INSTALLATION COMMENCED PRIOR TO APPROVAL IS TAKEN AT THE CONTRACTORS OWN RISK AND MAY HAVE TO BE MODIFIED, MOVED AND/OR RECONFIGURED AT CONTRACTORS COST.

ALTERNATES

ALT #1
Add Alternate #1:
Construction and fit out of therapy pool, mechanical area (1-606), pool enclosure (1-603), associated roofing, specialty equipment housed within the pool area, doors 600B, 603, 604B, and sidelight 604 are all alternates.

Base bid to include demolition of mechanical unit, slab, and fence (D8); demolition of concrete ramp and canopy (D2, D7, D11); demolition of exterior door near column G4 and subsequent fill of exterior wall.

Plumbing sheets: PP101, PP111, PP112, PP113, PP301, PP302, and PP601 (all plumbing work related to therapy pool)

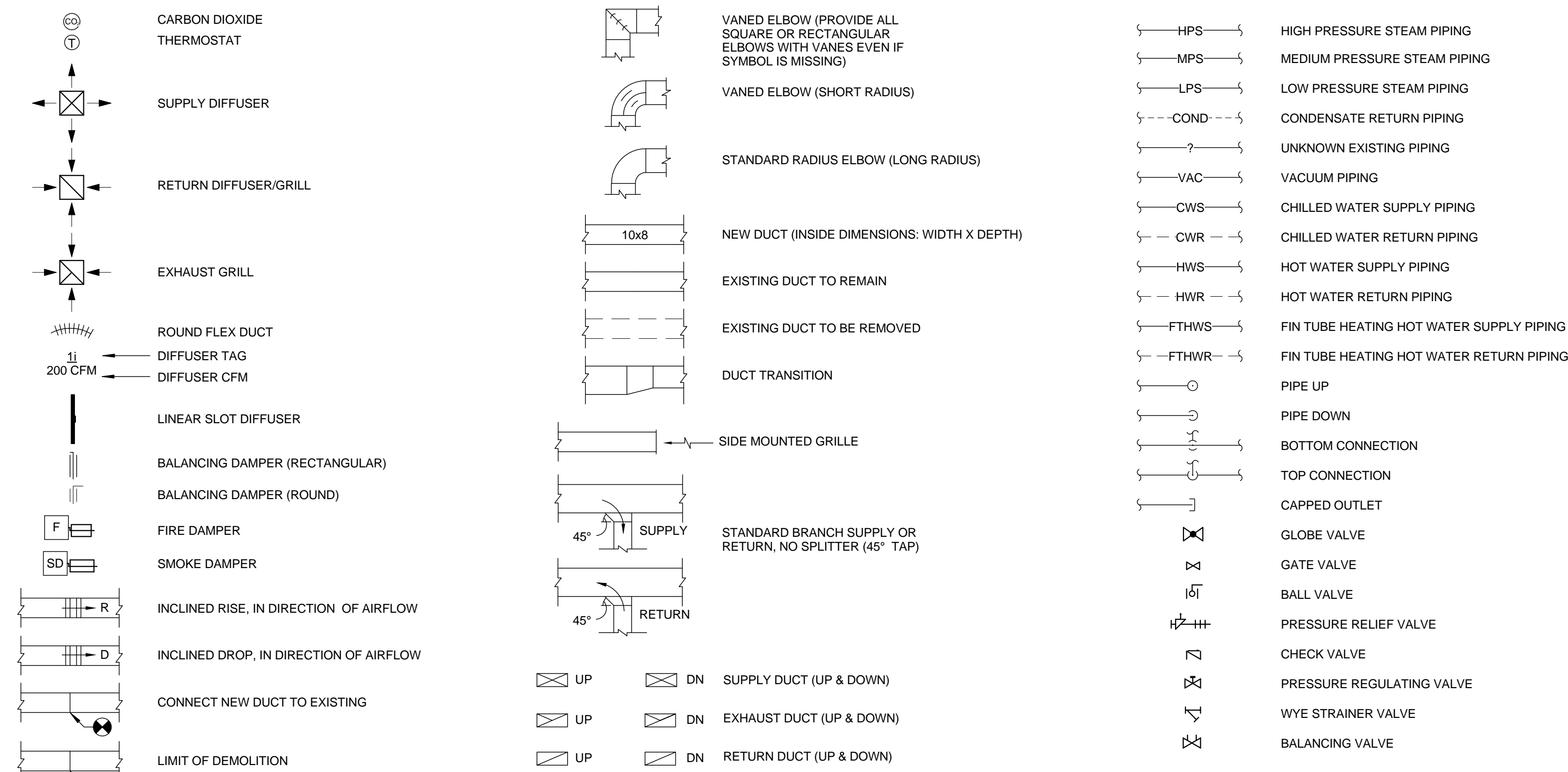
Mechanical sheets: MM111, MM401, MM502, MM504, MP101, MP111, and MH602 (all mechanical work related to therapy pool)

Electrical sheets: ED101, E-102, E-103, E-104, E-401, E603, and FA102 (all electrical work related to therapy pool)

ABBREVIATIONS

A/E	ARCHITECT / ENGINEER	D	DAMPER - AUTOMATIC	HD	HOOD	MH	MANHOLE	SD	SUPPLY AIR DIFFUSER
AAHX	AIR TO AIR HEAT EXCHANGER	D-1	OUTDOOR AIR DAMPER	HOA	HAND/OFF/AUTOMATIC	MHP	MOTOR HORSEPOWER	SDR	SMOKE DAMPER (RETURN)
AB	AIR BLENDER	D-2	RETURN AIR DAMPER	HP	HEAT PUMP	MIN	MINIMUM	SDS	SMOKE DAMPER (SUPPLY)
AAV	AUTOMATIC AIR VENT	D-3	RELIEF AIR DAMPER	HPD	HORSEPOWER	MM	MILLIMETER	SEN	SENSIBLE HEAT
ACC	AIR COOLED CONDENSER	DB	DECIBELS	HPR	HIGH PRESSURE DRIp TRAP	MOV	MOTOR OPERATED VALVE	SP	SUPPLY FAN
ACCH	AIR COOLED CHILLER	DB	DRY BULB TEMPERATURE	HPS	HIGH PRESSURE RETURN (STEAM CONDENSATE)	MFR	MEDIUM PRESSURE RETURN (STEAM CONDENSATE)	SR	SUPPLY AIR GRILLE
ACCU	AIR CONDITIONING UNIT	DEG	DEGREE	HRC	HEAT RECOVERY COIL	MPS	MEDIUM PRESSURE STEAM	SH	STEAM HUMIDIFIER
ACU	AUTOMATIC CONTROL	DIA	DIFFUSER	HRD	HEAT RECOVERY DEVICE	NG	MAGNETIC RESONANCE IMAGING	SSC	STEAM HEATING COIL
ACD	DAMPER/MODULATING POSITION	DIW	DIAMETER	HRP	HEAT RECOVERY WHEEL	MVD	MEAN TEMPERATURE DIFFERENCE	SI	SQUARE INCHES
ACD-TP	AUTOMATIC CONTROL DAMPER/TWO POSITION	DP	DEIONIZED WATER	HRS	HYDRONIC RADIANT (CEILING) PANEL	MZ	MANUAL VOLUME DAMPER	SP	STATIC PRESSURE
AD	ACCESS DOOR	DP	DEW POINT TEMPERATURE	HRT	HEAT RECOVERY WHEEL	NA	MULTI-ZONE HUMIDISTAT	SPD	SPECIFIC GRAVITY
AF	AFTER FILTER	DPA	DIFFERENTIAL PRESSURE ASSEMBLY	HTM	HUMIDIFIER TERMINAL	NC	NOT APPLICABLE	SPRV	SUPPLY PROCESS AND DISTRIBUTION
AFCV	AIR FLOW CONTROL VALVE	DPS	DIFFERENTIAL PRESSURE SENSOR	HUM	HUMIDIFIER UNIT MOUNTED	NR	NOISE CRITERIA	SPV	STEAM PRESSURE REDUCING VALVE
AFF	ABOVE FINISHED FLOOR	DXCC	DIRECT EXPANSION	HVU	HEATING AND VENTILATING UNIT	NC	NORMALLY CLOSED	SS	STATIC PRESSURE SENSOR
AFMD	AIR FLOW MEASURING DEVICE	EA	ENTERING AIR TEMPERATURE	HWP	HOT WATER	NSFM	NATURAL GAS FLOWMETER	SS	STAINLESS STEEL
AFW	AIR FOL WHEEL (FAN)	EAT	EVAPORATIVE COOLER	HWR	HOT WATER HEATING COIL	NOA	NORMALLY OPEN	SSHX	STEAM TO STEAM HEAT EXCHANGER
AHU	AIR-HANDLING UNIT	EC	ENGINEERING CONTROL CENTER	HWS	HOT WATER UNIT HEATER	NRV	NATIONAL OCEANIC & ATMOSPHERIC ADMINISTRATION	ST	STEAM TRAP
AMP	ACCESS PANEL	ECC	EVAPORATIVE CONDENSER UNIT	HWH	HOT WATER UNIT HEATER	NOM	NOMINAL	SU	STEAM PRESSURE REDUCING VALVE
APD	AIR PRESSURE DROP	ECU	ELECTRIC DUCT HEATER	HWD	HOTWAY VENT DAMPER	NPSH	NET POSITIVE SUCTION HEAD	SU	STEAM PRESSURE REDUCING VALVE
ARJ	AIR CONDITIONING AND REFRIGERATION INSTITUTE	EER	ENERGY EFFICIENCY RATIO	HX	HEAT EXCHANGER	NTS	NOT TO SCALE	SUS	STEAM VENT SILENCER
AS	AMERICAN SOCIETY OF MECHANICAL ENGINEERS	EF	EXHAUST FAN	HZ	HERTZ			SWHX	STEAM TO WATER HEAT EXCHANGER
ASME	AMERICAN SOCIETY OF MECHANICAL ENGINEERS	EG	EMERGENCY GAS SHUTOFF	IO	INPUT/OUTPUT				
AW	AIR WASHER	EGS	EMERGENCY GAS SHUTOFF	IQ	INDOOR AIR QUALITY	OA	OUTSIDE AIR GRILLE	T & PCV	TEMPERATURE AND PRESSURE
AXF	AXIAL FLOW	EGT	ENTERING GLYCOL TEMPERATURE	IBT	INVERTED BUCKET TRAP	OAI	OUTSIDE AIR INTAKE	TAB	TESTING, ADJUSTING, BALANCE
		EH	EXHAUST HOOD	ICU	INTENSIVE CARE UNIT	OD	OUTSIDE DIAMETER	TB	TEMPERATURE DIFFERENCE
		END	END OF MAIN DRIP (STEAM)	ICU	INTENSIVE CARE UNIT	OTM	OUTSIDE THERMAL HEAD	TCH	TOTAL DYNAMIC HEAD
		ENT	ENTERING	ID	INSIDE DIAMETER	OR	OPERATING ROOM	TDS	TOTAL DISSOLVED SOLIDS
		ER	EXHAUST REGISTER	IN	INCHES	P	PUMP	TP	TRANSFER GRILLE
		ERC	ELECTRIC REHEAT COIL	IN HG	INCHES OF MERCURY	PA	PASCAL	TP	TOP REGISTER
		ERP	ELECTRIC RADIANT PANEL	IN W	INCHES OF WATER	PC	PUMPED CONDENSATE	TSP	TOTAL STATIC PRESSURE
		ESP	EXTENDED STATIC PRESSURE	IN WG	INCHES OF WATER GAUGE	PCF	PUMPED CONDENSATE	TSR	THERMISTAT
		ET	ETHYLENE OXIDE	IN W	INCHES OF WATER	PD	PRESSURE DROP	TU	TERMINAL UNIT
		EUH	ELECTRIC UNIT HEATER	IRH	INFRARED HEATER	PF	PROPYLENE (TYPE) EXHAUST FAN	TU	TERMINAL UNIT
		EWC	EVAPORATIVE WATER COOLER	IS	INLET VANES	PW	PRESSURE GAGE	UC	UNDER CUT
		EW	ENTERING WATER TEMPERATURE	IU	INDUCTION UNIT	PWG	PROPYLENE GLYCOL-WATER (SOLUTION)	UC	UNIT COOLER
		EX	EXISTING	IV	INLET VANES	PHC	PREHEAT COIL	UH	UNIT HEATER
		F	FAHRENHEIT	K	KILOGRAM	PRM	PARTS PER MILLION	UL	UNDERWRITERS LABORATORY
		F&T	FLOAT AND THERMOSTATIC COMBINATION FIRE SMOKE DAMPER	kgHR	KILOGRAM PER HOUR	PRS	PARTS PER MILLION	URV	UPBLAST UNIT VENTILATOR
		F/S	FIRE AREA	K	KILOPASCAL	PRV	PRESSURE REGULATING VALVE	V	VALVE
		FC	FLEXIBLE CONNECTION	KW	KILOWATT	PSI	POUNDS PER SQUARE INCH	VAF	VANE AXIAL FAN
		FCU	FAN COIL UNIT (H PIPE)	KWh	KILOWATT HOUR	PSIA	POUNDS PER SQUARE INCH - ABSOLUTE	VAV	VARIABLE AIR VOLUME
		FCUL	FAN COIL UNIT COOLING ONLY	L	LITER	PSIA	POUNDS PER SQUARE INCH - ABSOLUTE	VD	VOLUME DAMPER (MANUAL OPPOSED BLADE)
		FCUH	FAN COIL UNIT HEATING ONLY	L	LITER	PSIG	POUNDS PER SQUARE INCH - GAGE	VFD	VARIABLE FREQUENCY DRIVE
		FD	FLOOR DRAIN	Lh	LITERS PER HOUR	PS	PRIMARY SECONDARY SYSTEM	VHA	VETERANS HEALTH ADMINISTRATION
		FD	FIRE DAMPER	Lm	LITERS PER MINUTE	PSV	PRESSURE SAFETY VALVE	VI	VIBRATION ISOLATOR
		FF	FAN LEAK AIR TEMPERATURE	Ls	LITERS PER SECOND	PTAC	PACKAGED TERMINAL AIR CONDITIONER	VIV	VARIABLE INLET VANES
		FFH	FUEL GAS/FEEDWATER HEAT EXCHANGER	LF	LINEAR FOOT (FEET)	R	RETURN OR EXHAUST	VPS	VARIABLE PRIMARY SYSTEM
		FM	FEET PER MINUTE	LF	LINEAR FOOT (FEET)	RA	ROTARY AIR HEAT EXCHANGER	VR	VACUUM (STEAM CONDENSATE) RETURN
		FOT	FUEL OIL TANK	LH	LEAVING GLYCOL TEMPERATURE	RAD	REFRIGERANT AIR DRYER	VSD	VARIABLE SPEED DRIVE
		FOH	FUEL OIL HEAT EXCHANGER	LPR	LOW PRESSURE RETURN (STEAM CONDENSATE)	RAHX	ROTARY AIR HEAT EXCHANGER	VSH	VERTICAL UNIT HEATER
		FPM	FEET PER MINUTE	LPRC	LOW PRESSURE RETURN (STEAM CONDENSATE)	RAT	RETURN AIR TEMPERATURE	W	WATTS
		FPS	FEET PER SECOND	LLHX	LIQUID TO LIQUID HEAT EXCHANGER	RCCH	REMOTE CONDENSER CHILLER	WAG	WASTE ANESTHESIA GAS
		FPU	FAN POWERED TERMINAL UNIT	LPS	LOW PRESSURE STEAM	RCU	RECIPROCATING CHILLER UNIT	WB	WET-BULB (TEMPERATURE)
		FR	FLOOR REGISTER	LPS	LOW PRESSURE STEAM	RD	REFRIGERANT DISCHARGE	WC	WATER COOLED
		FRT	FIBER REINFORCED POLYESTER FLOOR SWITCH	LPS	LOW PRESSURE STEAM (CLEAN)	REA	REFRIGERANT DISCHARGE	WCC	WATER COOLED CHILLER
		FS	FREESTAT	LSD	LINEAR SLOT DIFFUSER	RF	RETURN FAN	WCCU	WATER COOLED CONDENSING UNIT
		FT	FEET	LTPC	LOCAL TEMPERATURE CONTROL PANEL	RG	RETURN GRILLE	WCU	WATER COOLED PACKAGED UNIT
		FTLB	FIN TUBE HEAT RADIATION	LTV	LEAVING	RH	RELATIVE HUMIDITY	WF	WALL EXHAUST FAN
		FTR	FACE VELOCITY	LVR	LOUVER	RL	REFRIGERANT HOT GAS	WFCV	WATER FLOW CONTROL VALVE
		GA	GAUGE	LWT	LEAVING WATER TEMPERATURE	RL	REFRIGERANT LIQUID LINE	WFM	WATER FLOW MEASURING DEVICE
		GAL	GALLONS	M	METER, SI UNIT	RMA	REVERSE OSMOSIS	WGD	WATER GAGE
		GH	GRAVITY HOOD	M	METERS PER SECOND (OR METERS/SECOND)	RPM	REVOLUTIONS PER MINUTE	WPD	WATER SIDE PRESSURE DROP
		GPD	GALLONS PER DAY	MA	MIXED AIR TEMPERATURE	RR	RETURN REGISTER	YR	YEAR
		GPH	GALLONS PER HOUR	MAT	MIXED AIR TEMPERATURE	RS	REFRIGERANT SUCTION		
		GPM	GALLONS PER MINUTE	MAU	MAKE-UP AIR UNIT	RTU	ROOF TOP UNIT		
		GPR	GAS PRESSURE REGULATOR	MAV	MANUAL AIR VENT	RV	RELIEF VALVE		
		GS	GALVANIZED STEEL	MAX	MAXIMUM	SA	SUPPLY AIR		
		H	HUMIDIFIER	MB	MIXING BOX	SAD	SOUND ATTENUATING DEVICE		
		H&CW	HOT & COLD WATER	MBH	1000 BTUH	SAT	SUPPLY AIR TEMPERATURE		
		HAC	HOUSEKEEPING AID CLOSET	MCA	MINIMUM BRANCH CIRCUIT AMPACITY	SC	SHADING COEFFICIENT		
		HB	HOSE BIBB	MER	MECHANICAL EQUIPMENT ROOM	SCFM	STANDARD CUBIC FEET PER MINUTE		
		HC	HEATING COIL	MERV	MINIMUM EFFICIENCY REPORTING VALUE	SCI	SPINAL CODE INJURY		
		HD	HEAD			SCR	SILICON CONTROLLED RECTIFIER		
						SD	SMOKE DETECTOR		

MECHANICAL LEGEND



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Bray Mooney Consulting

Project Number 3627
Scale As indicated

Drawing Title
MECHANICAL NOTES, ABBREVIATIONS, AND LEGENDS

Approved: Project Director

Project Title
RENOVATE BUILDING 69

Location
1400 Black Horse Hill, Coatesville, PA

Date 1/22/2014
Checked DJR
Drawn ORD

VA Project Number
542-CSI-203

Building Number
69

Drawing Number
M-001

Dwg. 42 of 86

Office of Facilities Management



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